

10/629760

=> d his

(FILE 'HOME' ENTERED AT 15:48:27 ON 15 JAN 2004)

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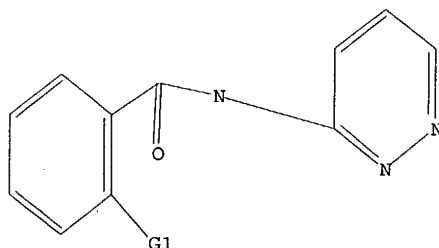
L1 STRUCTURE UPLOADED
L2 2 S L1
L3 STRUCTURE UPLOADED
L4 2 S L3
L5 26 S L3 SSS FULL

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L6 11 S L5

=> d l1

L1 HAS NO ANSWERS
L1 STR

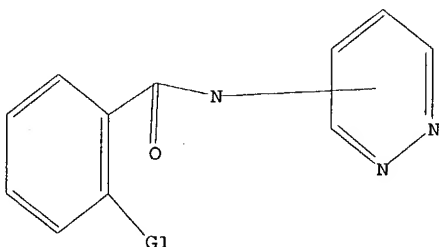


G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> d l3

L3 HAS NO ANSWERS
L3 STR



G1 O,N

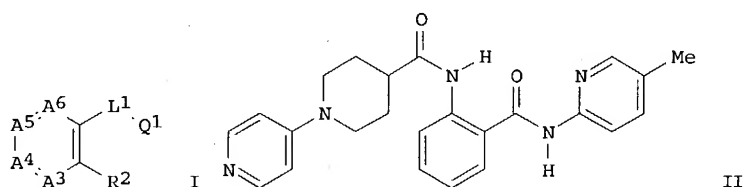
Structure attributes must be viewed using STN Express query preparation.

=> d 1-11 bib abs hitstr

L6 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:457059 CAPLUS
DN 133:89437
TI Preparation of heteroaryl-substituted aromatic amides as factor Xa inhibitors
IN Beight, Douglas Wade; Craft, Trelia Joyce; Denny, Carl Penman; Franciskovich, Jeffry Bernard; Goodson, Theodore, Jr.; Hall, Steven Edward; Herron, David Kent; Joseph, Sajan Pariyadan; Klimkowski, Valentine Joseph; Masters, John Joseph; Mendel, David; Milot, Guy; Pineiro-Nunez, Marta Maria; Sawyer, Jason Scott; Shuman, Robert Theodore; Smith, Gerald Floyd; Tebbe, Anne Louise; Tinsley, Jennifer Marie; Weir, Leonard Crayton; Wikel, James Howard; Wiley, Michael Robert; Yee, Ying Kwong
PA Eli Lilly and Co., USA; Kyle, Jeffrey, Alan; et al.
SO PCT Int. Appl., 403 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000039118	A1	20000706	WO 1999-US29946	19991215
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2361149	AA	20000706	CA 1999-2361149	19991215
	EP 1140903	A1	20011010	EP 1999-964279	19991215
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002533454	T2	20021008	JP 2000-591029	19991215
	US 6635657	B1	20031021	US 2001-857751	20010608
PRAI	US 1998-113556P	P	19981223		
	WO 1999-US29946	W	19991215		
OS	MARPAT 133:89437				
GI					

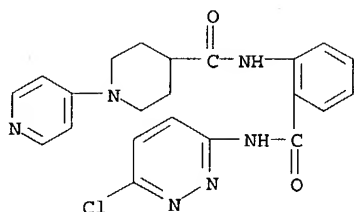


AB The title compds. [I; A3-A6, together with the two carbons to which they are attached, complete a substituted benzene in which A3 = CR3, A4 = CR4, A5 = CR5, and A6 = CR6 (wherein R3 = H, Me, MeO, etc.; one of R4 and R5 = H, alkyl, halo, etc.; the other of R4 and R5 = H; R6 = H, Me, F, etc.); L1 = CONH; Q1 = 2-pyridinyl (un)substituted at the 5-position, 3-pyridinyl (un)substituted at the 6-position, 2-pyrimidinyl (un)substituted at the 5-position, etc.; R2 = L2Q2 (L2 = NHCO, NHCH2, OCH2, etc.; Q2 = (un)substituted piperidinyl, piperazinyl, Ph, etc.)] and their pharmaceutically acceptable salts, useful as inhibitors of factor Xa (no data), were prepd. and formulated. E.g., a multi-step synthesis of II.HCl was given. In general, compds. I are effective at 0.01-1000 mg/kg/day.

IT 280768-71-0P 280771-11-1P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of heteroaryl-substituted arom. amides as factor Xa inhibitors)

RN 280768-71-0 CAPLUS

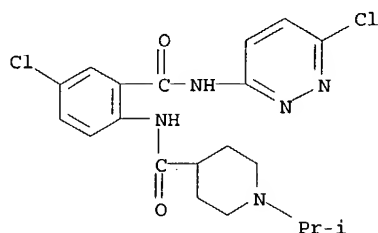
CN 4-Piperidinecarboxamide, N-[2-[[[6-chloro-3-pyridazinyl]amino]carbonyl]phenyl]-1-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 280771-11-1 CAPLUS

CN 4-Piperidinecarboxamide, N-[4-chloro-2-[[[6-chloro-3-pyridazinyl]amino]carbonyl]phenyl]-1-(1-methylethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

10/629760



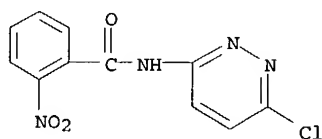
IT 280771-67-7P 280771-68-8P 280773-28-6P
280773-30-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(prepn. of heteroaryl-substituted arom. amides as factor Xa inhibitors)

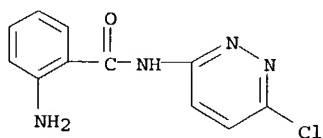
RN 280771-67-7 CAPLUS

CN Benzamide, N-(6-chloro-3-pyridazinyl)-2-nitro- (9CI) (CA INDEX NAME)



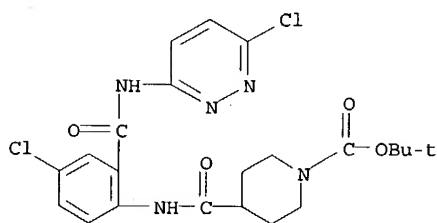
RN 280771-68-8 CAPLUS

CN Benzamide, 2-amino-N-(6-chloro-3-pyridazinyl)- (9CI) (CA INDEX NAME)



RN 280773-28-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[[4-chloro-2-[[6-chloro-3-pyridazinyl]amino]carbonyl]phenyl]amino]carbonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 280773-30-0 CAPLUS

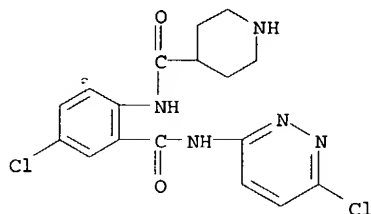
CN 4-Piperidinecarboxamide, N-[4-chloro-2-[[6-chloro-3-pyridazinyl]amino]carbonyl]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 280773-29-7

CMF C17 H17 Cl2 N5 O2

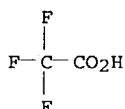
10/629760



CM 2

CRN 76-05-1

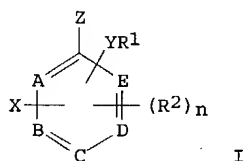
CMF C2 H F3 O2



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1992:31253 CAPLUS
DN 116:31253
TI Cyan dye-forming couplers for silver halide photographic materials
IN Aoki, Kozo; Yamazaki, Shigeru
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 36 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03103849	A2	19910430	JP 1989-242444	19890919
PRAI	JP 1989-242444		19890919		
GI					



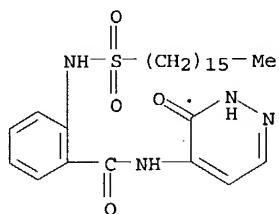
AB Claimed are cyan couplers of formula I (R1 = aliph., aryl, heterocyclyl; X = H, group released upon coupling; R2 = substituent on heterocyclic ring; Y = divalent linking group contg. at least one amide bond and/or ester bond; Z = dissociation group; n = 0 or 1; when n = 1, R1 and R2 may together form a ring; further detail on R1, R2, and X is given; A, B, C, D, and E = C or N; 2 of A-E are N atoms). Other cyan couplers are also claimed. The use of photog. materials contg. couplers of this invention gives excellent color reproduction.

IT 138084-84-1P
RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(prepn. of, as photog. coupler)

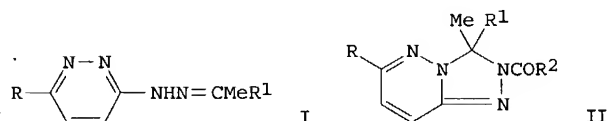
RN 138084-84-1 CAPLUS

CN Benzamide, N-(2,3-dihydro-3-oxo-4-pyridazinyl)-2-
[(hexadecylsulfonyl)amino]- (9CI) (CA INDEX NAME)

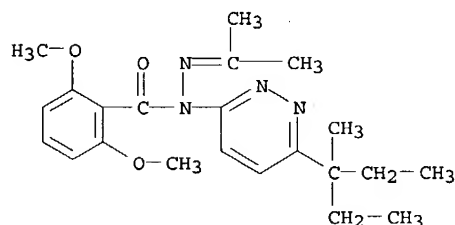
10/629760



L6 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1986:19553 CAPLUS
DN 104:19553
TI The structure of the scarlet compounds obtained from the acylation of
pyridazinylhydrazones
AU Abdulla, Riaz F.; Jones, Noel D.; Swartzendruber, John K.
CS Lilly Res. Lab., Eli Lilly and Co., Greenfield, IN, 46140, USA
SO Chemische Berichte (1985), 118(12), 5009-15
CODEN: CHBEAM; ISSN: 0009-2940
DT Journal
LA English
OS CASREACT 104:19553
GI

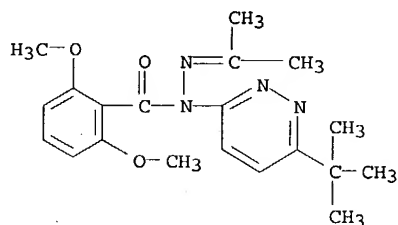


AB Acylation of pyridazinylhydrazones I (R = Me3C, Et2CMe, Cl; R1 = Me, CH2CO2CMe3) with acid chlorides or anhydrides in C6H6 gave triazolopyridazines II [e.g., R2 = 2,6-(MeO)2C6H3, Me3CCH2, ClCH2, Me2N], the structures of which were confirmed by x-ray anal. of II (R = Me3C, R1 = Me, R2 = Me3CCH2).
IT 99577-06-7
RL: RCT (Reactant); RACT (Reactant or reagent) (hydrolysis of)
RN 99577-06-7 CAPLUS
CN Benzoic acid, 2,6-dimethoxy-, [6-(1-ethyl-1-methylpropyl)-3-pyridazinyl](1-methylethylidene)hydrazide (9CI) (CA INDEX NAME)

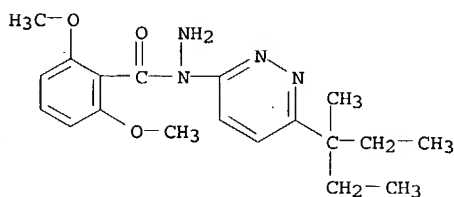


IT 99577-05-6P 99577-07-8P
RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
RN 99577-05-6 CAPLUS
CN Benzoic acid, 2,6-dimethoxy-, [6-(1,1-dimethylethyl)-3-pyridazinyl](1-methylethylidene)hydrazide (9CI) (CA INDEX NAME)

10/629760



RN 99577-07-8 CAPLUS
 CN Benzoic acid, 2,6-dimethoxy-, 1-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]hydrazide (9CI) (CA INDEX NAME)

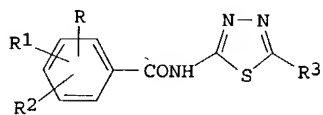


L6 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1984:121087 CAPLUS
 DN 100:121087
 TI Benzamides, compositions and their agricultural use
 IN Burow, Kenneth W., Jr.
 PA Eli Lilly and Co., USA
 SO U.S., 41 pp. Cont.-in-part of U.S. Ser. No. 187,675, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4416683	A	19831122	US 1981-302323	19810914
	JP 57081467	A2	19820521	JP 1981-146991	19810914
	JP 05000386	B4	19930105		
	DK 8104107	A	19820317	DK 1981-4107	19810915
	DK 163509	B	19920309		
	DK 163509	C	19920824		
	NO 8103142	A	19820317	NO 1981-3142	19810915
	NO 159054	B	19880822		
	NO 159054	C	19881130		
	FI 8102875	A	19820317	FI 1981-2875	19810915
	FI 75815	B	19880429		
	FI 75815	C	19880808		
	AU 8175257	A1	19820325	AU 1981-75257	19810915
	AU 544567	B2	19850606		
	GB 2084140	A	19820407	GB 1981-27846	19810915
	GB 2084140	B2	19840627		
	BR 8105900	A	19820608	BR 1981-5900	19810915
	ES 505517	A1	19830101	ES 1981-505517	19810915
	ZA 8106393	A	19830427	ZA 1981-6393	19810915
	PL 127767	B1	19831130	PL 1981-233031	19810915
	HU 30448	O	19840328	HU 1981-2667	19810915
	HU 191037	B	19861228		
	RO 83401	P	19840402	RO 1981-105310	19810915
	CA 1179345	A1	19841211	CA 1981-385944	19810915
	IL 63839	A1	19841231	IL 1981-63839	19810915
	RO 88228	B3	19851230	RO 1981-113246	19810915
	RO 88495	B3	19860130	RO 1981-113245	19810915
	SU 1375111	A3	19880215	SU 1981-3336204	19810915
	DD 206930	A5	19840215	DD 1981-233336	19810916
	CS 252456	B2	19870917	CS 1981-6829	19810916
	SU 1160932	A3	19850607	SU 1982-3381405	19820120
	US 4515625	A	19850507	US 1983-510699	19830705
	US 4636243	A	19870113	US 1984-685922	19841224
	US 4801718	A	19890131	US 1985-805020	19851205
	US 4943634	A	19900724	US 1988-270907	19881114
	US 5086184	A	19920204	US 1990-520008	19900507

10/629760

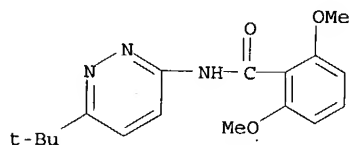
PRAI US 1980-187675 19800916
 US 1981-302323 19810914
 US 1983-510699 19830705
 US 1984-685922 19841224
 US 1985-805020 19851205
 US 1988-270907 19881114
 OS CASREACT 100:121087
 GI



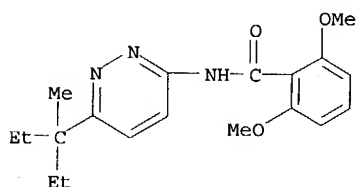
AB Herbicidal thiadiazolylbenzamides I (R = H, alkoxy; R1 = alkoxy, alkylthio; R2 = alkyl, R1; R3 = substituted alkyl, cycloalkylalkyl) (177 compds.) were prepd. Thus, 13.0 g Et2CMeCO2H was treated with 9.1 g H2NNHCSNH2 and POCl3 to give 17.0 g 2-amino-5-(1-ethyl-1-methylpropyl)-1,3,4-thiadiazole. This was acylated with 2,6-(MeO)2C6H3COCl to give 36% I (R = H, R1 = 2-MeO, R2 = 6-MeO, R3 = MeEt2C) (II). In pre-emergence tests 8 lb II/acre gave 100% kill of, e.g., foxtail and velvetleaf.

IT 82559-64-6P 82559-96-4P 82559-97-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (prepn. and herbicidal activity of)

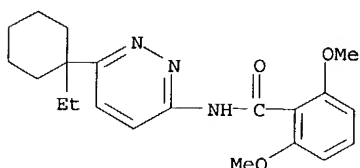
RN 82559-64-6 CAPLUS
 CN Benzamide, N-[6-(1,1-dimethylethyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI)
 (CA INDEX NAME)



RN 82559-96-4 CAPLUS
 CN Benzamide, N-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



RN 82559-97-5 CAPLUS
 CN Benzamide, N-[6-(1-ethylcyclohexyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI)
 (CA INDEX NAME)

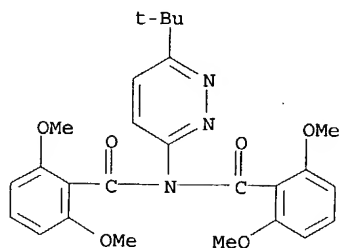


IT 89151-74-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and hydrolysis of)

RN 89151-74-6 CAPLUS

10/629760

CN Benzamide, N-(2,6-dimethoxybenzoyl)-N-[6-(1,1-dimethylethyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



L6 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1984:34556 CAPLUS

DN 100:34556

TI Synthesis of 6-tert-alkyl-3-pyridazinones

IN Abdulla, Riaz F.

PA Eli Lilly and Co., USA

SO U.S., 7 pp.

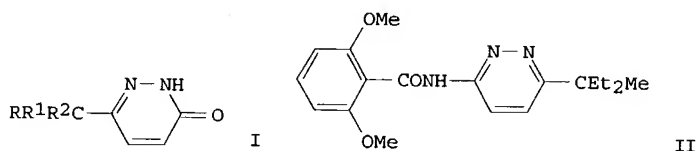
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4411753	A	19831025	US 1982-366882	19820408
PRAI	US 1982-366882		19820408		
GI					



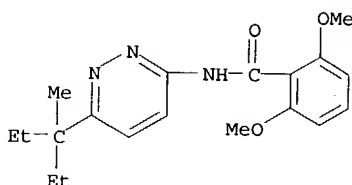
AB Title compds. I (R = C1-C4 alkyl; R1, R2 = C1-C13 alkyl or haloalkyl) were prepd. by photolysis of RR1R2CCOCH:CHCO2H with hydrazine. Thus, Et2CMeCOCH:CHCO2H was prepd., and 20 g of this acid and 3.6 g hydrazine in 200 mL EtOH were irradiated with a sun lamp to give 4.3 g I (R = R1 = Et, R2 = Me). This product was converted in 3 steps to pyridazinylbenzamide II, illustrating the use of I in herbicide prepn.

IT 82559-96-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 82559-96-4 CAPLUS

CN Benzamide, N-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI) (CA INDEX NAME)



L6 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1983:575785 CAPLUS

DN 99:175785

TI Acetyl-tert-alkanes

IN Abdulla, Riaz F.

PA Eli Lilly and Co., USA

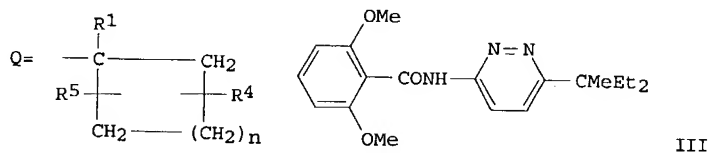
SO U.S., 7 pp.

CODEN: USXXAM

10/629760

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4398044	A	19830809	US 1982-366881	19820408
PRAI	US 1982-366881		19820408		
OS	CASREACT 99:175785				
GI					

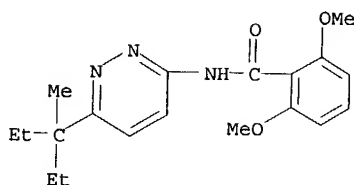


AB RCOMe (I; R = CR₁R₂R₃, Q; R₁ = alkyl; R₂, R₃ = alkyl, haloalkyl; n = 0-4; R₄, R₅ = H, halo, alkyl) were prep'd. by hydrolytic decarboxylation of RCOCH₂CN with HCl. Thus, 63 g MeCN was refluxed with 114 g Et₂CMeCO₂Me in THF in the presence of NaH to give 122 g Et₂CMeCOCH₂CN, which was refluxed with 12 N HCl for 2 h to give 93 g Et₂CMeCOMe (II). I are intermediates in the synthesis of N-pyridazinylbenzamides, which are known herbicides, e.g., II was converted in several steps to pyridazinylbenzamide III.

IT 82559-96-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 82559-96-4 CAPLUS

CN Benzamide, N-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]-2,6-dimethoxy-
(9CI) (CA INDEX NAME)L6 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1982:472372 CAPLUS

DN 97:72372

TI N-Arylbenzamide derivatives

IN Burow, Kenneth Wayne, Jr.

PA Eli Lilly and Co., USA

SO Eur. Pat. Appl., 158 pp.

CODEN: EPXXDW

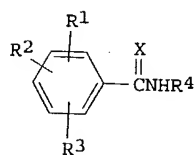
DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 49071	A1	19820407	EP 1981-304225	19810915
	EP 49071	B1	19841219		
	R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	JP 57081467	A2	19820521	JP 1981-146991	19810914
	JP 05000386	B4	19930105		
	DK 8104107	A	19820317	DK 1981-4107	19810915
	DK 163509	B	19920309		
	DK 163509	C	19920824		
	NO 8103142	A	19820317	NO 1981-3142	19810915
	NO 159054	B	19880822		
	NO 159054	C	19881130		
	FI 8102875	A	19820317	FI 1981-2875	19810915
	FI 75815	B	19880429		
	FI 75815	C	19880808		
	AU 8175257	A1	19820325	AU 1981-75257	19810915
	AU 544567	B2	19850606		
	GB 2084140	A	19820407	GB 1981-27846	19810915
	GB 2084140	B2	19840627		

BR 8105900	A	19820608	BR 1981-5900	19810915
ES 505517	A1	19830101	ES 1981-505517	19810915
ZA 8106393	A	19830427	ZA 1981-6393	19810915
PL 127767	B1	19831130	PL 1981-233031	19810915
HU 30448	O	19840328	HU 1981-2667	19810915
HU 191037	B	19861228		
RO 83401	P	19840402	RO 1981-105310	19810915
CA 1179345	A1	19841211	CA 1981-385944	19810915
IL 63839	A1	19841231	IL 1981-63839	19810915
AT 10840	E	19850115	AT 1981-304225	19810915
RO 88228	B3	19851230	RO 1981-113246	19810915
RO 88495	B3	19860130	RO 1981-113245	19810915
SU 1375111	A3	19880215	SU 1981-3336204	19810915
DD 206930	A5	19840215	DD 1981-233336	19810916
CS 252456	B2	19870917	CS 1981-6829	19810916
SU 1160932	A3	19850607	SU 1982-3381405	19820120
PRAI US 1980-187675		19800916		
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GI				

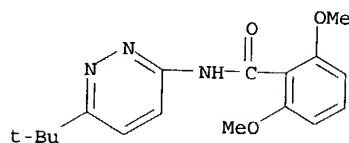


AB The herbicidal heteroarylbenzamides I (R1 = H, halo, C1-4 alkyl, C1-4 alkoxy; R2 = H, halo, C1-4 alkyl, C1-4 alkoxy, C1-4 alkylthio, F3C; R3 = H, halo, C1-4 alkyl, C1-4 alkoxy, C1-4 alkylthio; R4 = isoxazolyl, isothiazolyl, pyrazolyl, imidazolyl, oxadiazolyl, pyridazinyl) were prepd. Thus, methylating Et2CHCO2Me with MeI followed by reaction with MeCN gave Et2CMecoCH2CN which cyclized with HONH2.HCl to give 5-amino-3-(1-ethyl-1-methylpropyl)isoxazole, which was treated with 2,5-(MeO)2C6H3COCl to give N-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2,5-dimethoxybenzamide (II). In preemergence application at 0.25 lbs/acre II completely prevented growth of crabgrass.

IT 82559-64-6P 82559-96-4P 82559-97-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

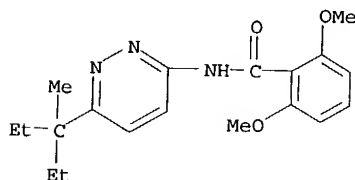
RN 82559-64-6 CAPLUS

CN Benzamide, N-[6-(1,1-dimethylethyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI)
 (CA INDEX NAME)



RN 82559-96-4 CAPLUS

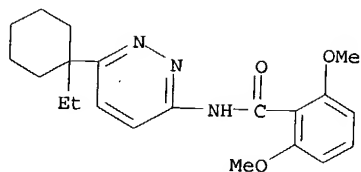
CN Benzamide, N-[6-(1-ethyl-1-methylpropyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI)
 (CA INDEX NAME)



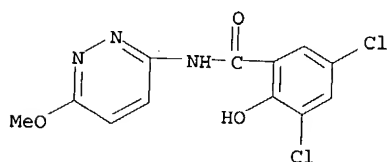
RN 82559-97-5 CAPLUS

CN Benzamide, N-[6-(1-ethylcyclohexyl)-3-pyridazinyl]-2,6-dimethoxy- (9CI)
 (CA INDEX NAME)

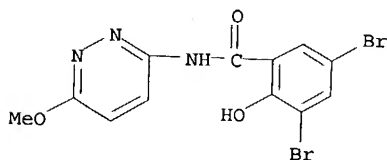
10/629760



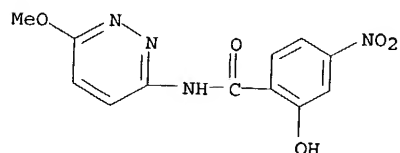
L6 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1973:97277 CAPLUS
DN 78:97277
TI Synthesis of amido derivatives of 3-aminopyridazine and various benzoic acids
AU Abblard, J.; Cronenberger, L.
CS Serv. Chim. Biol., Inst. Natl. Sci. Appl., Villeurbanne, Fr.
SO Chimica Therapeutica (1972), 7(6), 485-92
CODEN: CHTPBA; ISSN: 0009-4374
DT Journal
LA French
GI For diagram(s), see printed CA Issue.
AB Thirty-eight N-(3-pyridazinyl)benzamides (I, R = OMe, CH₂CHMe₂, Cl, OEt; R₁ = H, Cl, OH, OEt, Me; R₂ = H, Cl, Br, NO₂; R₃ = H, Cl, NO₂, NH₂; R₄ = H, Cl, Br, NO₂), potential anticoccidial agents, were prepd. from 3-aminopyridazines and benzoyl chlorides.
IT 39614-92-1P 39614-93-2P 39614-95-4P
39615-00-4P 39615-01-5P 39615-03-7P
39615-10-6P 39615-14-0P 40330-08-3P
RI: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 39614-92-1 CAPLUS
CN Benzamide, 3,5-dichloro-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



RN 39614-93-2 CAPLUS
CN Benzamide, 3,5-dibromo-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)

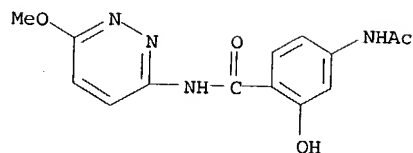


RN 39614-95-4 CAPLUS
CN Benzamide, 2-hydroxy-N-(6-methoxy-3-pyridazinyl)-4-nitro- (9CI) (CA INDEX NAME)



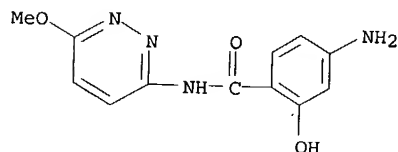
RN 39615-00-4 CAPLUS
CN Benzamide, 4-(acetylamino)-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)

10/629760



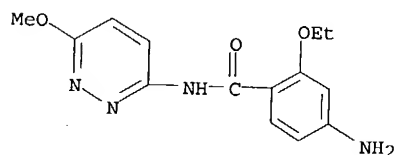
RN 39615-01-5 CAPLUS

CN Benzamide, 4-amino-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



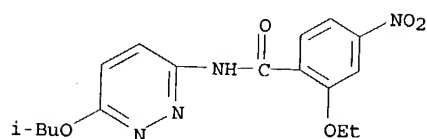
RN 39615-03-7 CAPLUS

CN Benzamide, 4-amino-2-ethoxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



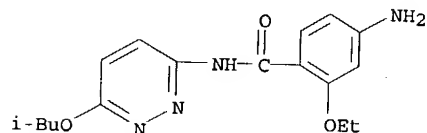
RN 39615-10-6 CAPLUS

CN Benzamide, 2-ethoxy-N-[6-(2-methylpropoxy)-3-pyridazinyl]-4-nitro- (9CI) (CA INDEX NAME)



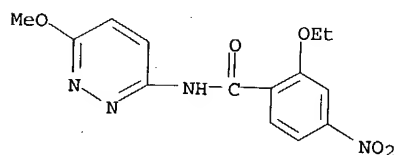
RN 39615-14-0 CAPLUS

CN Benzamide, 4-amino-2-ethoxy-N-[6-(2-methylpropoxy)-3-pyridazinyl]- (9CI) (CA INDEX NAME)



RN 40330-08-3 CAPLUS

CN Benzamide, 2-ethoxy-N-(6-methoxy-3-pyridazinyl)-4-nitro- (9CI) (CA INDEX NAME)



10/629760

DN 60:31002
 OREF 60:5517d-e
 TI 3-(p-Aminosalicylamido)-6-substituted pyridazines
 IN Hiyama, Yokichi; Kaneki, Hiyokatsu; Wada, Tomoko; Nakadai, Yasuko
 PA Meito Sangyo Co., Ltd.
 SO 2 pp.
 DT Patent
 LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 38024386		19631115	JP	19590716

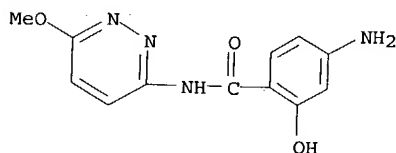
GI For diagram(s), see printed CA Issue.

AB To a soln. of 5 g. 3-amino-6-methoxypyridazine in 50 cc. pyridine is added dropwise p-nitroacetyl-salicyl chloride (from 9 g. p-nitroacetylsalicylic acid and 16 cc. SOCl₂), the mixt. kept 2 hrs., heated with 10 cc. H₂O 30 min., and poured into dil. HCl to give 6 g. 3-(p-nitrosalicylamido)-6-methoxypyridazine (Ia), pale yellow, m. 280-2.degree. (decompn.). A suspension of 4 g. Ia in a mixt. of 200 cc. MeOH and 4 cc. concd. HCl is reduced (Pd-C) (from 10 cc. 1% PdCl₂ soln. and 4 g. C) to give 1.5 g. I, m. 253.degree. (decompn.), a useful sulfa drug.

IT 39615-01-5, Salicylamide, 4-amino-N-(6-methoxy-3-pyridazinyl)- (prepn. of)

RN 39615-01-5 CAPLUS

CN Benzamide, 4-amino-2-hydroxy-N-(6-methoxy-3-pyridazinyl)- (9CI) (CA INDEX NAME)



L6 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1964:31001 CAPLUS

DN 60:31001

OREF 60:5517b-d

TI Phenothiazine derivatives

IN Nakanishi, Michio; Tashiro, Chiaki

PA Yoshitomi Pharmaceutical Industries, Ltd.

SO 2 pp.

DT Patent

LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 38025681		19631202	JP	19600614

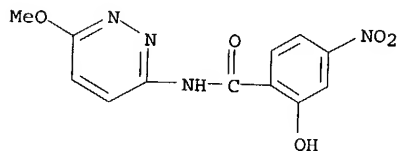
GI For diagram(s), see printed CA Issue.

AB A mixt. of 3 g. Et .beta.-[10-(2-methylthiophenothiazinyl)]propionimide (I) (X = :NH) hydrochloride and 35 cc. pyridine is kept overnight and evapd. in vacuo, 150 cc. C₆H₆ added to the residue, and the mixt. washed with 5% HCl and evapd. to give 2.6 g. Et .beta.-[10-(2-methylthiophenothiazinyl)]propiothionate (I) (X = S), m. 79-80.degree. (EtOH). Similarly is prepd. Et .beta.-[10-(2-trifluoromethylpheno-thiazinyl)]propiothionate (II). Treatment of II with N-2-hydroxyethylpiperazine gives 1-(2-hydroxyethyl)-4-[(.beta.-[10-(2-trifluoromethylpheno-thiazinyl)]thiopropionyl]piperazine (maleate m. 155.degree.). These compds. are useful as intermediates for the manuf. of tranquilizers.

IT 39614-95-4, Salicylamide, N-(6-methoxy-3-pyridazinyl)-4-nitro- (prepn. of)

RN 39614-95-4 CAPLUS

CN Benzamide, 2-hydroxy-N-(6-methoxy-3-pyridazinyl)-4-nitro- (9CI) (CA INDEX NAME)



L6 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1959:67737 CAPLUS
 DN 53:67737
 OREF 53:12298f-i,12299a-f
 TI Triazaphenanthrenes. III. Synthesis of some 9-aryl-2,3,10-triazaphenanthrenes
 AU Atkinson, C. M.; Rodway, R. E.
 CS Chelsea Coll. Sci. Technol., London
 SO Journal of the Chemical Society, Abstracts (1959) 1-5
 CODEN: JCSAAZ; ISSN: 0590-9791
 DT Journal
 LA Unavailable
 AB cf. C.A. 52, 4657g. Cyclodehydration of the phenylpyridazines (where a group is NHCOAr) to 2,3,10-triazaphenanthrenes is best effected with P2O5 in PhNO2 (I). The presence of a nitro substituent prevents cyclization in some instances. MeI salts of the triazaphenanthrenes were biol. inactive. Hot aq. KMnO4 (200 g. in 2 l.) added dropwise during 3 hrs. to 40 g. 4-phenylcinnoline in 3 ml. H2O , excess KMnO4 destroyed by alc., the MnO2 digested with 300 cc. hot H2O , the filtrate and washings combined and concd. to 800 cc., cooled, and acidified gave 44.4 g. 5-phenylpyridazine-3,4-dicarboxylic acid (II), m. 148-50.degree. (effervescence). Crude II (40 g.) and 120 cc. EtOCH2CH2OH refluxed 15 min., cooled, filtered, the residue washed with alc., and the crude product crystd. gave 16-18 g. 5-phenylpyridazine-4-carboxylic acid (III), m. 222-4.degree. (decompn.) (MeOH). III (40 g.) suspended in 1.5 l. dioxane treated dropwise during 45 min. with CH2N2 in Et2O , stirred a further 15 min., left overnight, and concd. to 120 cc. vol. gave 34.4 g. Me 5-phenylpyridazine-4-carboxylate (IV), m. 103-5.degree. (ligroine). IV (20 g.) and 1 l. MeOHNH3 kept 8 days at room temp. gave 16.3 g. 4-carbamoyl-5-phenylpyridazine (V), m. 170-2.degree. (CHCl3). V (26 g.) added in 1 portion to 370 cc. aq. KOH (from 8 cc. Br , 40 g. KOH , and 400 cc. H2O), stirred 45 min. at 0.degree., 220 cc. 10% aq. KOH added, the mixt. heated 35 min. at 80.degree., and cooled gave 18 g. 4-amino-5-phenylpyridazine (VI), blades, m. 154-6.degree. (C6H6). VI with BzCl in C5H5N 3 hrs. on the steam bath gave 88% 4-benzamido-5-phenylpyridazine (VII), m. 202-4.degree. (alc.). VII (2.4 g.) in 48 cc. I heated 6 hrs. at 180.degree. with 4.8 g. P2O5 , after 3 hrs. a further 2.4 g. P2O5 added, cooled, H2O added, I distd., the aq. residue filtered hot, and the filtrate made alk. gave 21 g. 9-phenyl-2,3,10-triazaphenanthrene (VIII), blades, m. 196-8.degree. (MeOH). VIII (1.2 g.), 4.8 cc. MeI , and 24 cc. MeOH refluxed 3 hrs. gave 1.5 g. VIII.MeI, m. 285-7.degree. (decompn.). VIII (0.3 g.), 0.3 cc. Me2SO4 , and 30 cc. I heated 3 hrs. at 160.degree. gave 270 mg. VIII.MeI. VI (2.5 g.) and .omicron.- O2NC6H4COCl (from 3 g. acid) in 20 cc. C5H5N heated 2.5 hrs. on the steam bath gave 2.7 g. 4-.omicron.-nitrobenzamido-5-phenylpyridazine, m. 216-18.degree. (MeOH). Similarly, was prepd. 7.8 g. (from 5.0 g.) 4-m-nitrobenzamido-5-phenylpyridazine, prisms, m. 198-9.degree. (Me2CO), and 79% 4-p-nitrobenzamido compd. (IX), blades, m. 216-17.degree. (MeOH). IX (6 g.) in 180 cc. dry I treated at 140.degree. with 4 portions of P2O5 , heated 6 hrs. with addn. of 9 g. more P2O5 at the end of 3 hrs., the mixt. basified, steam distd., and filtered hot gave 3.9 g. 9-p-nitrophenyl-2,3,10-triazaphenanthrene (X), m. 300-1.degree. (MeNO2). X (2 g.) warmed 0.5 hr. with 10 g. SnCl2 in 10 cc. concd. HCl , the mixt. poured into 6N NaOH , heated almost to boiling, and the solid collected gave 1.6 g. 9-p-aminophenyl-2,3,10-triazaphenanthrene (XI), m. 305-7.degree. (alc.). XI similarly treated with MeI gave the MeI quaternary salt, m. 323-4.degree. (decompn.) (alc.). 9-m-Nitrophenyl-2,3,10-triazaphenanthrene (XII) was prepd. as described for X in 74% yield as needles, m. 251-4.degree. (MeCN). Similarly XII reduced with SnCl2 and HCl gave 80% 9-m-aminophenyl-2,3,10-triazaphenanthrene, blades, m. 245-6.degree. (alc.). Oxidation of 4-p-methoxyphenylcinnoline gave a dicarboxylic acid (XIII), m. 148-50.degree. (effervescence). XIII refluxed 15 min. with 40 cc. EtOCH2CH2OH gave 11 g. 5-p-methoxyphenylpyridazine-4-carboxylic acid (XIV), m. 206-8.degree. (decompn.) (alc.). XIV (37 g.) in 1 l. dil. I evapd. almost to dryness gave 31 g. 5-(4-methoxy-3-nitrophenyl)pyridazine-4-carboxylic acid, m. 232-4.degree. (decompn.) (dil. HNO3); Me ester (XV) (78%), m. 151-3.degree. (alc.). XV (30 g.) in 1.5 l. MeOH satd. with NH3 at 5.degree., left 14 days at room temp., and resatd. with NH3 after 7 days gave 20.5 g. 4-carbamoyl-5-(4-methoxy-3-nitrophenyl)pyridazine (XVI), m. 233-4.degree. (decompn.) (alc.). XVI (10 g.) added in 1 portion to aq. KOH and stirred 7 hrs. at 0.degree. and the soln. heated 40 min. on the steam bath gave 4.5 g. 4-amino-5-(4-methoxy-3-nitrophenyl)pyridazine (XVII), m. 199-201.degree. (decompn.). XVII benzoylated 32 hrs. in refluxing PhCl with BzCl - C5H5N gave 62% 4-benzamido-5-(4-methoxy-3-nitrophenyl)pyridazine (XVIII), m. 220-1.degree. (alc.). XVIII (0.6 g.) heated 2.5 hrs. in 60 cc. alc. at 90.degree. with H and Pd-C under 100 atm. pressure gave 0.27 g. 4-(3-amino-4-methoxyphenyl)-5-

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benzamidopyridazine (XIX), m. 185-6.degree. (MeOH). XVIII (4 g.) added portionwise to 150 cc. SnCl₂ reagent, and left at room temp. overnight, treated with ice and excess dil. NH₄OH, and isolated with CHCl₃ gave 2.7 g. XIX. XIX on acetylation gave 66% 4-(3-acetamido-4-methoxyphenyl)-5-benzamidopyridazine, m. 189-90.degree. (Me₂CO).

IT 108978-01-4, Pyridazine, 4-o-nitrobenzamido-5-phenyl-
(prepn. of)

RN 108978-01-4 CAPLUS

CN Pyridazine, 4-(o-nitrobenzamido)-5-phenyl- (6CI) (CA INDEX NAME)

